

HEC-RAS 4.1.0_1.0.7 Release Notes

Release Date: 4/3/2015

Release Type: Scheduled

HEC-RAS Model Engine: 4.1.0

HEC-RAS FEWS Adapter: 1.0.7

CHPS Build: 5.1.1

Build and Package Date: 2/4/2015

Tested against FEWS Binary: 2014.02 build 53736, patched from 50595

Introduction

This document contains release notes for HEC-RAS 4.1.0_1.0.7.

Notes

1. A cleanup of the "bin" directory was requested of RMA. Therefore the number of delivered files is reduced for this release.
 - As requested, removed all files which are not relevant to running HEC-RAS in a CHPS environment (e.g. *.exe, *.dll, test files, etc...)
2. Changes were made to the nwsras.jar and module-adapter-hec-ras.jar files to redirect and remove output to the console or background window.
 - The console window output was removed from the log4j Logger. Thus FEWS/CHPS filtered log messages only occur on the ../log/preadapter.xml file.
 - The java System.out and err output generated by the java code which reads and modifies the HEC-RAS model input files is redirected to the file ../work/ras_console_output.log
 - Messages output by the HEC-DSS library are redirected to the file ../work/<RAS project name>_dss.log

FogBugz ID	Requested By	Title
1618	NCRFC	HEC-RAS Warning messages to include more information.
1679	WGRFC	HEC-RAS Install Notes from CHPS-5.0.1 "chps_share" Correction

Release Date: 03 April 2014

Version: HEC-RAS 4.1.0_1.0.7 – 2/4/2015

FogBugz 1618 – HEC-RAS Warning messages to include more information

Description

The following Warning messages produced by HEC-RAS provide little information and may possibly even not be an actual parsing error at all.

WARN nl.wldelft.fews.adapter.hec.HecRasDataAccessFacadeImpl - Error Percent Error

WARN - ExecuteActivity.processDiagnosticFile - GA.Execution.Model.Warn: In adapter Model: Error Percent Error

Cause

NA

Fix

The updated model adapter package removes the “Percent Error” warning described in case FogBugz1618.

Note:

- The model adapter code was compiled with Java 1.7.0.
- Updated HEC-RAS Adapter source code to use the latest FEWS jars. This required the updating two API calls as well as adding and removing 3rd party jars.
- Added defaultValueResolution to Coverage (module-adapter-hec-ras.jar) due to API change in updated Delft_Util.jar file.
- Changed NativeProcess to DefaultNativeProcess in executeRasProgram (module-adapter-hec-ras.jar) due to API change in updated Delft_Util.jar file.
- Removed castor-0.9.5p.jar and replaced it with castor-0.9.5.jar
- Removed xml-apis.jar and replace it with xml-apis-1.4.01.jar and xml-apis-ext-1.4.01.jar
- Updated the following jars (Delft_FEWS.jar, Delft_FEWS_castor.jar, Delft_FEWS_schemas.jar, Delft_PI.jar, Delft_PI_castor.jar, Delft_Util.jar,)

FogBugz 1679 – HEC-RAS Warning messages to include more information

Description

Section 4 "FEWS Shell Installation and Testing"

Step 4.4.1: `cd /awips/chps_share/hec/hecras/bin --> Should be: cd /awips/chps_local/hec/hecras/bin`

For the FSS's, the user should be updating the binaries on the **chps_local** rather than the chps_share, and
../FSS0*/FewsShell/*/Models/hecras/bin -->
/awips/chps_local/hecras/bin

Cause

NA

Fix

Install notes updated

Note:

NA
